## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/22086

A. CLASSIFICATION OF SUBJECT MATTER  IPC(7) : C09K 3/18, 5/00, 5/20; C10M 107/00, 107/36; C12Q 1/02  US CL : 106/13; 252/67, 70, 71; 435/1.3, 41; 508/110, 216, 219  According to International Patent Classification (IPC) or to both national classification and IPC					
	OS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols) U.S.: 106/13; 252/67, 70, 71; 435/1.3, 41; 508/110, 216, 219					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched .					
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet					
	JMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where app	propriate, of the relevant passages	Relevant to claim No.		
х	US 4,117,214 A (PARKS et al.) 26 September 1978, the claims.		17, 19, 21 and 25-28		
x	US 4,388,203 A (NIMERICK et al.) 14 June 1983, al Examples and the claims.	bstract, col. 2, line 48 - col. 3, line 30,	1-2, 10, 13-15 and 26- 28		
Х	US 6,183,664 B1 (KIM et al.) 06 February 2001, abs	tract, examples and the claims.	1-2, 11, and 26-28		
X	US 4,358,389 A (KONIG-LUMER et al.) 09 November 1982, Example 5 and the claims.		1-2, 12, 22 and 25-28		
5	US 4,439,337 A (NIMERICK et al.) 27 March 1984, col. 2, lines 49 - col 3, line 15, Example 2, and the claims.		22		
<b>X</b> .	US 5,261,241 A (KITAHARA et al.) 16 November 1993, col. 3, lines 30+ and the claims.		23-24		
х	EP 437360 A1 (WARNER-LAMBERT COMPANY)	17 July 1991, abstract and the claims.	29		
x	JP 05-328859 A (ZH NAGANO-KEN NOKYO CHIIKI KAIHATSU KIKO) 14 December		30		
x	1993, abstract. US 6,368,591 B2 (CHEN et al.) 09 April 2002, claims.		31		
			-		
Furthe	or documents are listed in the continuation of Box C.	See patent family annex.			
* Special categories of cited documents:  "A" document defining the general state of the art which is not considered to be		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention			
1	ular relevance  pplication or patent published on or after the international filing date	"X" document of particular relevance; the considered novel or cannot be considered novel or cann			
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"Y"  document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination			
	nt referring to an oral disclosure, use, exhibition or other means	being obvious to a person skilled in			
*P* document published prior to the international filing date but later than the priority date claimed		"&" document member of the same paten			
Date of the actual completion of the international search		Date of mailing of the international sea	rch report		
07 February 2005 (07.02.2005)		U 1 MAR 2005			
Name and mailing address of the ISA/US  Mail Stop PCT, Attn: ISA/US		Authorized officer	aft C		
Commissioner for Patents P.O. Box 1450		Anthony J. Green			
Al	lexandria, Virginia 22313-1450	Telephone No. 571-272-1700	ton		
Facsimile No. (703) 305-3230  Form PCT/ISA/210 (second sheet) (January 2004)					

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C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT					
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.			
Y Y	Citation of document, with indication, where appropriate, of the relevant passages  US 6,180,562 B1 (BLUM) 30 January 2001, abstract, col. 11, line 65 - col. 12, line 12, and the claims.	Relevant to claim No.			

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Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)				
This internation	onal search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:			
1.	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:			
2.	Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:			
3.	Claims Nos.: 20 because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).			
Box No. III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)			
This International Searching Authority found multiple inventions in this international application, as follows:				
1.	As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.  As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:			
restricted to the invention first mentioned in the claims; it is covered by claims Nos.:				
Remark or	Remark on Protest  The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees.			

INTERNATIONAL SEARCH REPORT	International application No. PCT/US04/22086	
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Continuation of B. FIELDS SEARCHED Item 3: WEST	the standard by bridge at an Evigove at	
search terms: ice, hydrocolloid, microorganism, exopolymer, gum, cellulose, o	curdian, agar, gum, pectin, starch, hubiteant, reffigerant	